

To: McComb, Martin[McComb.Martin@epa.gov]
Cc: Jan Christner (Jan.Christner@WestonSolutions.com)[Jan.Christner@WestonSolutions.com];
Petri, Elliott[Elliott.Petri@WestonSolutions.com]
From: Way, Steven
Sent: Thur 8/13/2015 7:05:53 PM
Subject: FW: USGS - Flow data Discharge values for Gold King Mine, 8/12/2015

Marty and etal,

I requested USGS to gather flow measurements as a QA check on the START measures. Here are the results. We will attempt to install a flume, but it was not fully sealed yesterday so we pulled it.

Steven Way

Federal On-Scene Coordinator

Emergency Response Unit

US EPA - Region 8

1595 Wynkoop Street

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From: Henneberg, Mark [mailto:mfhenneb@usgs.gov]
Sent: Thursday, August 13, 2015 12:59 PM
To: Way, Steven
Cc: Kenneth Leib; Robert Runkel
Subject: Discharge values for Gold King Mine, 8/12/2015

Greetings Steve,

Here are provisional numbers obtained yesterday.

Flowtracker measurement 8/12/2015 17:00 1.3655 ft³/s 610GPM

Flume measurement 8/12/2015 1800 6" Parshall flume, 0.71 Ft head, 1.20 ft³/s, 538 GPM

Flume measurement does not include estimated 10% leakage around the flume, resulting cumulative flow 591 GPM

Please feel free to call or email any questions.

Regards,

Mark

Mark Henneberg

Hydrologist

U.S. Geological Survey

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